

	Document ID	Issue Date	Pages	Title	Current OR
1	US 20060126703 A1	20060615	18	Method of receiving spread spectrum signal, and receiver	375/147
2	US 20060120436 A1	20060608	15	Wireless communication system for determining the number of operation stages of interference canceller	375/144
3	US 20060050662 A1	20060309	23	Uplink interference cancellation	370/320
4	US 20060047842 A1	20060302	23	Joint symbol, amplitude, and rate estimator	709/231
5	US 20060013289 A1	20060119	33	Multistage adaptive parallel interference canceller	375/148
6	US 20060007895 A1	20060112	37	Method and apparatus for canceling pilot interference in a wireless communication system	370/335
7	US 20050276313 A1	20051215	8	Data transmission method and receiver	375/148
8	US 20050249269 A1	20051110	12	Frequency-domain multi-user access interference cancellation and nonlinear equalization in CDMA receivers	375/148
9	US 20050213529 A1	20050929	31	Channel estimation in a CDMA receiver	370/320
10	US 20050185594 A1	20050825	11	Method of selecting transport channel parameters, radio system, controller, user equipment and base station	370/252
11	US 20050128985 A1	20050616	25	Combined adaptive spatio-temporal processing and multi-user detection for CDMA wireless systems	370/335
12	US 20050111566 A1	20050526	16	Wireless communication apparatus and method for multiple transmit and receive antenna system using multiple codes	375/267
13	US 20050111414 A1	20050526	29	Parallel interference cancellation and minimum cost channel estimation	370/335
14	US 20050031022 A1	20050210	18	Method of partial parallel interference cancellation	375/148
15	US 20050013350 A1	20050120	37	Method and apparatus for canceling pilot interference in a wireless communication system	375/148
16	US 20040247020 A1	20041209	21	Cross-system interference cancellation for multicarrier cdma and ofdm	375/148

	Current XRef	Inventor
1		Karna; Juha O.
2		Komatsu; Masahiro
3		Rizvi; Khurram Ali et al.
4		McElwain; Thomas P.
5	375/152	Hwang; In Kwan
6		Coralli; Alessandro Vanelli et al.
7		Horneman, Kari et al.
8		Tomasin, Stefano et al.
9		Chow, Yuk Ching et al.
10	370/278; 370/329	Horneman, Kari et al.
11		Liberti, Joseph Charles JR. et al.
12	375/347	Park, Chang-Soon et al.
13		Liberti, Joseph Charles JR. et al.
14	375/346	Chen, Yih-Min et al.
15		Coralli, Alessandro Vanelli et al.
16	375/260	Mills, Diane G. et al.

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17	US 20040246927 A1	20041209	13	Method of double weighting parallel interference cancellation	370/335
18	US 20040202151 A1	20041014	7	Multiuser detection of differing data rate signals	370/352
19	US 20040196892 A1	20041007	19	Parallel interference cancellation receiver for multiuser detection CDMA signals	375/148
20	US 20040190601 A1	20040930	14	Method and apparatus for receiving a CDMA signal	375/148
21	US 20040184514 A1	20040923	26	Apparatus and method for canceling interference signals in a receiver for a packet data communication system	375/148
22	US 20040176051 A1	20040909	13	Method and apparatus for receiving a CDMA signal	455/101
23	US 20040136444 A1	20040715	29	Cascade filter receiver for DS-CDMA communication systems	375/147
24	US 20040125785 A1	20040701	20	CDMA TDD receiver	370/348
25	US 20040120299 A1	20040624	16	Method and apparatus for multi-user detection using RFSQ successive interference cancellation in CDMA wireless systems	370/342
26	US 20040120274 A1	20040624	46	CDMA transceiver techniques for wireless communications	370/320
27	US 20040076224 A1	20040422	19	Multipath interference-resistant receivers for closed-loop transmit diversity (CLTD) in code-division multiple access (CDMA) systems	375/144
28	US 20040071197 A1	20040415	17	Modified PN code tracking loop for direct-sequence spread-spectrum communication over arbitrarily correlated multipath fading channels	375/148
29	US 20040032848 A1	20040219	11	Combined equalizer and spread spectrum interference canceller method and implementation for the downlink of CDMA systems	370/342
30	US 20040013174 A1	20040122	9	Interference cancellation in receiver of radio system	375/148

	Current XRef	Inventor
17		Wei, Limei et al.
18		Reznik, Alexander et al.
19		Reznik, Alexander
20		Papadimitriou, Panayiotis D. et al.
21		Heo, Seo-Weon et al.
22		Papadimitriou, Panayiotis D. et al.
23	375/350	Massicotte, Daniel et al.
24	370/335	DiFazio, Robert A. et al.
25	370/335	Kidiyarova- Shevchenko, Anna et al.
26	370/310	Petre, Frederik et al.
27		Onggosanusi, Eko N. et al.
28	375/149; 375/150	Lin, Jia-Chin
29	370/335	Papasakellariou, Aris
30	375/150	Nuutinen, Jukka et al.

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31	US 20030231702 A1	20031218	75	Wireless communications systems and methods for cache enabled multiple processor based multiple user detection	375/148
32	US 20030215004 A1	20031120	12	Method for multiple access interference suppression, and receiver	375/148
33	US 20030206577 A1	20031106	29	Combined adaptive spatio-temporal processing and multi-user detection for CDMA wireless systems	375/152
34	US 20030202566 A1	20031030	68	Wireless communications systems and methods for multiple processor based multiple user detection	375/148
35	US 20030202559 A1	20031030	67	Wireless communications systems and methods for nonvolatile storage of operating parameters for multiple processor based multiple user detection	375/130
36	US 20030198197 A1	20031023	68	Wireless communication systems and methods for contiguously addressable memory enabled multiple processor based multiple user detection	370/320
37	US 20030191887 A1	20031009	67	Wireless communications systems and methods for direct memory access and buffering of digital signals for multiple user detection	711/104
38	US 20030128739 A1	20030710	68	Wireless communications systems and methods for multiple operating system multiple user detection	375/130
39	US 20030112904 A1	20030619	22	Time variant filter implementation	375/350
40	US 20030099224 A1	20030529	69	Wireless communications systems and methods for short-code multiple user detection	370/342
41	US 20030095590 A1	20030522	15	Symbol-directed weighting in parallel interference cancellation	375/148
42	US 20030091106 A1	20030515	68	Load balancing computational methods in a short-code spread-spectrum communications system	375/150
43	US 20030091102 A1	20030515	68	Computational methods for use in a short-code spread-spectrum communications system	375/147

	Current XRef	Inventor
31	375/150	Oates, John H. et al.
32		Vihriala, Jaakko
33		Liberti, Joseph Charles JR. et al.
34	375/150	Oates, John H. et al.
35		Oates, John H. et al.
36	375/148	Oates, John H. et al.
37		Oates, John H. et al.
38		Oates, John H. et al.
39		Fuller, Arthur T.G. et al.
40	370/441	Oates, John H.
41		Fuller, Arthur T. G. et al.
42		Oates, John H.
43		Oates, John H.

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44	US 20030091058 A1	20030515	68	Wireless communications systems and methods for virtual user based multiple user detection utilizing vector processor generated mapped cross-correlation matrices	370/442
45	US 20030076875 A1	20030424	69	Hardware and software for performing computations in a short-code spread-spectrum communications system	375/147
46	US 20030053526 A1	20030320	21	Parallel interference cancellation receiver for multiuser detection of CDMA signals	375/148
47	US 20030048800 A1	20030313	50	Mutlistage reception of code division multiple access transmissions	370/441
48	US 20030012264 A1	20030116	15	Interference cancellation system and method	375/148
49	US 20030007473 A1	20030109	42	Method and apparatus for integrating wireless communication and asset location	370/338
50	US 20020196841 A1	20021226	18	Method of receiving spread spectrum signal, and receiver	375/147
51	US 20020159507 A1	20021031	24	Method and apparatus for regenerative based interference cancellation within a communication system	375/148
52	US 20020128039 A1	20020912	37	Method and apparatus for enabling communication and synchronization between an information processing device and a personal digital assistant using impulse radio wireless techniques	455/556.1
53	US 20020072336 A1	20020613	20	Multi-user detection method	455/101
54	US 20020065664 A1	20020530	21	System and method for linear prediction	704/500
55	US 20020051433 A1	20020502	96	Interference suppression in CDMA systems	370/335
56	US 20020041644 A1	20020411	20	Multi-user detection method	375/346
57	US 7031671 B2	20060418	22	Multi-user detection method	455/101

	Current XRef	Inventor
44	370/342	Oates, John H. et al.
45		Oates, John H.
46	370/201	Reznik, Alexander
47	370/535	Kilfoyle, Daniel B. et al.
48	370/342	Papasakellariou, Aris et al.
49	370/350	Strong, Jon et al.
50	375/150	Karna, Juha
51		Flaig, Alexander et al.
52		Finn, James S.
53	455/273	Mottier, David
54		Witzgall, Hanna Elizabeth et al.
55	370/342	Affes, Sofiene et al.
56		Brunel, Loic
57	455/63.1; 455/67.13	Mottier; David

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58	US 7023903 B2	20060404	19	Method of receiving spread spectrum signal, and receiver	375/147
59	US 6975666 B2	20051213	94	Interference suppression in CDMA systems	375/130
60	US 6961395 B2	20051101	21	Time variant filter implementation	375/350
61	US 6931052 B2	20050816	15	Symbol-directed weighting in parallel interference cancellation	375/144
62	US 6816541 B1	20041109	20	Spread spectrum interference cancellation	375/148
63	US 6724809 B2	20040420	22	Parallel interference cancellation receiver for multiuser detection of CDMA signals	375/148
64	US 6529495 B1	20030304	17	Method and apparatus for providing differencing multistage detection in the reverse link of a code division multiple access communication system	370/342
65	US 6240099 B1	20010529	16	Multi-user code division multiple access receiver	370/441
66	US 6201799 B1	20010313	11	Partial decorrelation for a coherent multicode code division multiple access receiver	370/342
67	US 6154443 A	20001128	18	FFT-based CDMA RAKE receiver system and method	370/210
68	US 6067292 A	20000523	28	Pilot interference cancellation for a coherent wireless code division multiple access receiver	370/342
69	US 20040176051 A	20040909	13	Radio receiver e.g. cellular telephone in network employing space-time transmit diversity, has STTD-linear minimum mean square error receiver that refines estimation of transmitted signal using parallel interference cancellation	

	Current XRef	Inventor
58	370/342; 375/136; 375/149; 375/316	Karna; Juha
59		Affes; Sofiene et al.
60	375/346	Fuller; Arthur T. G. et al.
61	370/342	Fuller; Arthur T. G. et al.
62	370/335; 375/144	Schmidl; Timothy M.
63		Reznik; Alexander
64	375/148; 375/150	Aazhang; Behnaam et al.
65	370/342	Lim; Teng Joon et al.
66	375/346	Huang; Howard C. et al.
67	375/130	Huang; Chia-Chi et al.
68		Huang; Howard C. et al.
69		BORRAN, M J et al.